OIPE JC16
JUL 11 2005
PATENT & TRADEMARK OFFICE

EXPRESS MAIL NO. EV560402963US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Naoki Hanashima et al.
Application No.	:	10/678,981
Filed	:	October 3, 2003
For	:	SPOT-SIZE TRANSFORMER, METHOD OF PRODUCING SPOT-SIZE TRANSFORMER AND WAVEGUIDE-EMBEDDED OPTICAL CIRCUIT USING SPOT-SIZE TRANSFORMER
Examiner	:	Charlie Yu Peng
Art Unit	:	2883
Docket No.	:	890050.441
Date	:	July 11, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449. Copies of the cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of all other cited references are enclosed. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in co-pending application 10/702,136. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

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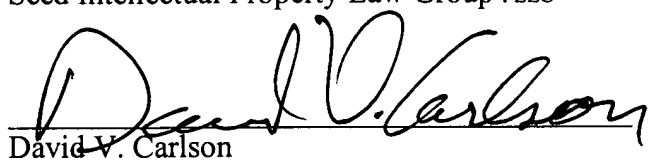
A fee of $180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC



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Cited References (10)

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Sheet 1 of 1

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 890050.441	APPLICATION NO. 10/678,981
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Naoki Hanashima et al.	
		FILING DATE October 3, 2003	GROUP ART UNIT 2883

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,151,955	09/29/02	Ohta et al.	385	6	
	AB	6,130,778	10/10/00	Iwatsuka et al.	359	497	
	AC	6,363,188	03/26/02	Alphonse	359	497	
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
		2002182051	06/26/02	JP		X
		10-068910	03/10/98	JP (+ Abstract in English)		
		10-339848	12/22/98	JP (+ Abstract in English)		
		11-119158	04/30/99	JP (+ Abstract in English)		

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Bakke, T. et al., "Vertically Tapered Core Polymeric Optical Spot-Size Transformer," *Electronics Letters 37*(24):1475-1476, November 2001.
			Bakke, T. et al., "Polymeric Buried Core Adiabatic Optical Spot-Size Transformer," *Electronics Letters 38*(7):319-321, March 2002.
			Mizuno, T. et al., "Low-Loss 1.5%-Delta Arrayed Waveguide Grating with Narrow Laterally Tapered Spotsize Converter," *Electronics Letters 37*(24):1452-1454, November 2001.
			Mitomi, O. et al., "Design of a Single-Mode Tapered Waveguide for Low-Loss Chip-to-Fiber Coupling," *IEEE Journal of Quantum Electronics 30*(8):1787-1793, August 1994.
			Shani, Y. et al., "Efficient Coupling of a Semiconductor Laser to an Optical Fiber by Means of a Tapered Waveguide on Silicon," *Appl. Phys. Lett. 55*(23):2389-2391, December 1989.
			Spühler, M. et al., "A Very Short Planar Silica Spot-Size Converter Using a Nonperiodic Segmented Waveguide," *Journal of Lightwave Technology 16*(9):1680-1685, September 1998.

EXAMINER	DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).